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Physiological ecology of invertebrates

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Effects of radioactivity; behavior and distribution of radionuclides

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Resistance to stress including pollution; regulation; adaptation

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Behavioral physiology of fish; feeding; predation of fish larvae

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Comparative physiology

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Metabolic performance of invertebrates; reproductive biology and sexuality

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Developmental physiology; endocrinology

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Biological rhythms

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Chemosensory behavior; mathematical models

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Behavioural physiology; invertebrate biology

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Stress effects on invertebrates

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Osmoregulation in estuarine invertebrates

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Ecophysiology and toxicology of algae; cellular biology; behavior of algae

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Mechanisms of cellular resistance and control

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Nutrition of invertebrates

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Cultivation of decapods and fishes; bioenergetics

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Cultivation of microorganisms

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DYNAMICS

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Productivity of the sea; fish-population dynamics; biological oceanography

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Population biology; microbial ecology

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Dynamics of nearshore ecosystems

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Planktonic microbial ecology. Productivity and growth of microorganisms, especially bacteria

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Ecology of sea birds

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Zoogeography; natural history of fish

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Reproduction, biogeography, and evolution of benthic invertebrates

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Food webs; population dynamics

OCEAN MANAGEMENT

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Stress and pollution

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Pollution effects on zooplankton; radioecology

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Management of fishery resources

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Toxicology and stress responses in invertebrates

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Radioactive pollution

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Biological effects of pollutants (petro-, chemical, organic enrichment)

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Management of wadden-sea areas

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MARINE ECOLOGY PROGRESS SERIES

HISTORY: Marine Ecology Progress Series (MEPS) was established in response to requests from numerous marine ecologists from all over the world. The series is based on 'Marine Ecology' – the first comprehensive, integrated treatise on life in oceans and coastal waters – conceived, organized and edited by Professor Otto Kinne, and published by John Wiley & Sons.

AIM: MEPS serves as a world-wide forum for all aspects of marine ecology, fundamental and applied. The journal covers microbiology, botany, zoology, ecosystem research, biological oceanography, ecological aspects of fisheries, aquaculture, pollution, environmental protection, conservation and resource management.
Ecological research has become of paramount importance for man's future. The information presented here should, therefore, encourage critical application of ecological knowledge for the benefit of mankind and, in fact, of life on earth. Marine Ecology Progress Series has received recognition as a leader in its field. The journal strives for

- complete coverage of the field of marine ecology
- the highest possible quality of papers
- quick publication
- a high technical standard of presentation.

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Fenchel, T. (1987). Ecology - potentials and limitations. In: Kinne, O. (ed.) Excellence in ecology 1. Ecology Institute, Oldendorf/Luhe, FRG

Rheinheimer, G. (1985). Aquatic microbiology, 3rd edn. VEB Gustav Fischer Verlag, Jena

Papers from books

Margalef, R. (1978). General concepts of population dynamics and food links. In: Kinne, O. (ed.) Marine ecology, Vol. IV, Dynamics. Wiley, Chichester, p. 617-704

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